Damage Control Management Techniques

Lesson Topic 1.4

Enabling Objectives

1. Discuss the supervision of damage control training
- Discuss maintenance of damage control training and PQS records
- Select damage control training required for damage control repair station personnel
- Select appropriate training techniques, methods of instruction and documentation required to perform damage control training

Damage Control (DC) Division Maintenance Program

- Responsible for maintaining equipment in repair stations
- Other DC Management Related Programs
  - Security
  - Material/zone inspections
  - Safety
  - Hazardous material/waste

Damage Control Petty Officer Maintenance Program, (ER09)

- Supervision and training of DCPO's
- Supervision and inspection of PMS
- Supervision and inspection of ship's force repair tasks

Zone/Material Inspection Program

- Ship is divided into sections/zones
- Each ship has different schedules
  - Divisional
  - weekly, Monthly, semiannual, annual
- Damage control related equipment is inspected for proper PMS and other deficiencies

Readiness Inspection Programs, Afloat Training Group (ATG)

- The mission of ATG
  - Provide propulsion and related damage control training
  - Improve readiness, personnel knowledge, and casualty control proficiency
  - Assist ships in preparation for examination by the Propulsion Examining Board (PEB)

Readiness Inspection Programs, Afloat Training Group (ATG)

- Provide team training in support of basic, intermediate, and advanced ship-board training
- Train and qualify Damage Control Training Team(DCTT) and Ship's Training Team (STT)
  - Basic drills
  - Techniques, scenario development
  - Organizational skills
  - Evaluation criteria and briefing/debriefing skills

Readiness Inspection Programs, Afloat Training Group (ATG)

- The mission of ATG is to (cont.)
  - Train DCTT/STT to integrate with Combat Systems Training Team(CSTT) and Engineering Training Team(ETT)
  - Evaluate ship's company and training teams during the Final Evaluation period(FEP)

Command Assessment Readiness for Training (CART)

- Assess the ship's ability to self train
- Ability of the DC organization to control damage situations
- CART includes a ship's self assessment
- Comprised of Intermediate Superior In Command(ISIC) and ships' force personnel

Light Off Assessment(LOA)

- Evaluation of readiness to safely and efficiently light off main propulsion equipment and control casualties
  - Mainly involves repair 5

Tailored Ship's Training Availability (TSTA)

- Includes evaluation of all aspects of the ship's mission
- TSTA-1
  - Inspection to see if DCTT has been assigned and PQS qualified
  - Check effectiveness of DCTT

Tailored Ship's Training Availability (TSTA)

- TSTA-2
  - Held two to four weeks after TSTA-1
  - Conduct basic level scenarios
  - DCTT will conduct multiple space fire drills
  - Will observe main space fires, CBR-D drills, and three locker drills

Tailored Ship's Training Availability (TSTA)

- TSTA-3
  - Held two to four weeks after TSTA-2
  - CO will decide what kind of training and drills will be conducted in preparing for the Final Evaluation Problem (FEP)

Tailored Ship's Training Availability (TSTA)

- TSTA-4
  - Training for amphibious ships

- Final Evaluation Problem (FEP)
  - Held two to four weeks after TSTA - 3/4
  - Final drill evaluations
  - Provides assessment of DCTT and repair team proficiency

Battle/Emergency Bill Personnel Assignment

- Should be assigned when personnel are checking on board
- Assign personnel to repair parties and battle stations by rank, rate, etc

On Board Training Program

- The entire ship's company should be trained to understand the necessity of damage control, this training should include:
  - Proper setting of material conditions of readiness
  - Locating damage, such as leaks, and making emergency repairs under adverse conditions
  - Establishing and maintaining a effective fire prevention program

THE DC PQS PROGRAM

- Program is constant training with set standards assigned by NAVSEA
- DCA is responsible for ensuring that each repair station's DC training records and PQS charts are maintained and updated
- RPL and Division Officers must assist the DCA in the proper maintenance of DC training records and PQS charts

THE DC PQS PROGRAM

- Overlapping Skills, Cross Training
- Each member of a repair party should learn to do any job, such as
  - Shoring
  - Casualty power system
  - Pipe patching
  - Plugging
  - CBRD
  - Fire fighting
  - First aid/CPR

THE DC PQS PROGRAM

- It is imperative that repair party personnel know their own area of responsibility as well as other repair lockers areas

- Repair station personnel will be assigned PQS qualification requirements on a continual basis

Damage Control Training Team (DCTT)

- Officer-In-Charge is the Executive Officer
- The mission of DCTT is planning, conducting, and evaluation of DC Team Training
- DC training effectiveness
  - Directly related to realistic training
  - Too many simulations weaken drills, causing personnel to loose interest and enthusiasm

Damage Control Training Team (DCTT)

- DCTT disclosures must be clear and realistic
  - Manipulation of actual indicators
  - Staging realistic props
  - Actual smoke generation
  - Standardized disclosure techniques

Damage Control Training Team (DCTT)

- Recommended methods and techniques
  - Fire
    - Smoke generator
    - Emergency egress practice
    - Naval Fire Fighting Thermal Imager(NFTI) training
    - Strobe lights
    - Chem lights for residual fires & hot spots

Recommended methods and techniques

- DCTT member can simulate flame by
  - Waving a red flag or red lens flashlight/battle lantern
  - Black cloth taped over an item can indicate charred motor controllers, light fittings, etc..
  - Plastic bubble wrap can indicate bubbling paint

Recommended methods and techniques

- Flooding
  - Pipe patching trainer
  - Chem lights to indicate depth in feet
  - Colored tapes to indicate type of flooding
  - Simulate holes

Recommended methods and techniques

- DCTT dress
  - Wear distinguishing clothing
    - Arm bands
    - Red ball caps
    - Red coverall
    - Red flight deck jerseys

Recommended methods and techniques

- Emergency egress
  - Blindfold all personnel
  - Utilize training EEBD’s
- Fixed Firefighting Systems simulations
  - Halon/CO2 flooding
    - Operate pressure switches

Recommended methods and techniques

- Fixed Fire fighting Systems simulations
  - CO2 dumped in module
    - White paper over glass window
  - Fire/smoke in module
    - Red and black design/flag over observation window
  - Sparking
    - Welders sparking tool
    - Strobe light

Recommended methods and techniques

- Repair party actions
  - Charge fire hoses & secure at the plug
  - Conduct actual shoring and pipe patching
  - Light-off OBA's/SCBA’s
  - Exothermic cutters, Used on scrap metal

Recommended methods and techniques

- Repair party actions
  - Rig & energize casualty power
  - Rig & operate sub pumps
  - Rig & operate P-100 pumps
  - CMWDS, Set circle William and light off

Summary and Review

- DC Division Maintenance Program
- DCPO Maintenance Program
- Zone/Material Inspection Program
- Readiness Inspection Programs, Afloat Training Group, (ATG)
- Battle/Emergency Bill Personnel Assignment Program
- On Board Training Program

Summary and Review

- PQS Program
- Damage Control Training Team (DCTT)